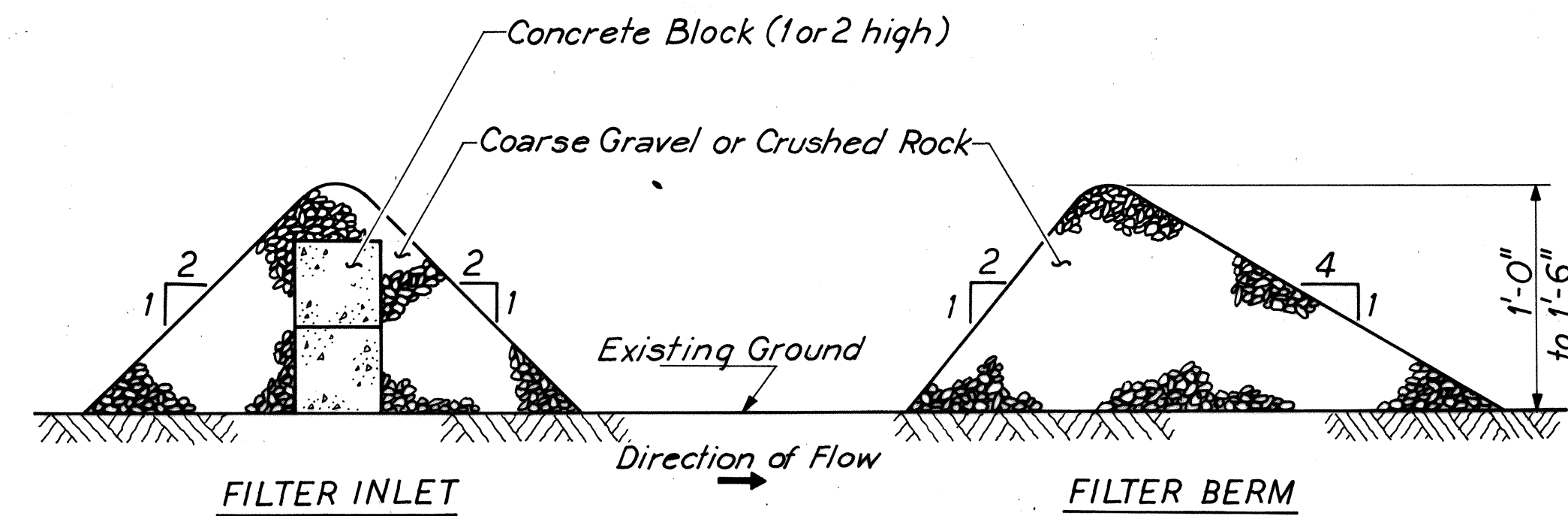


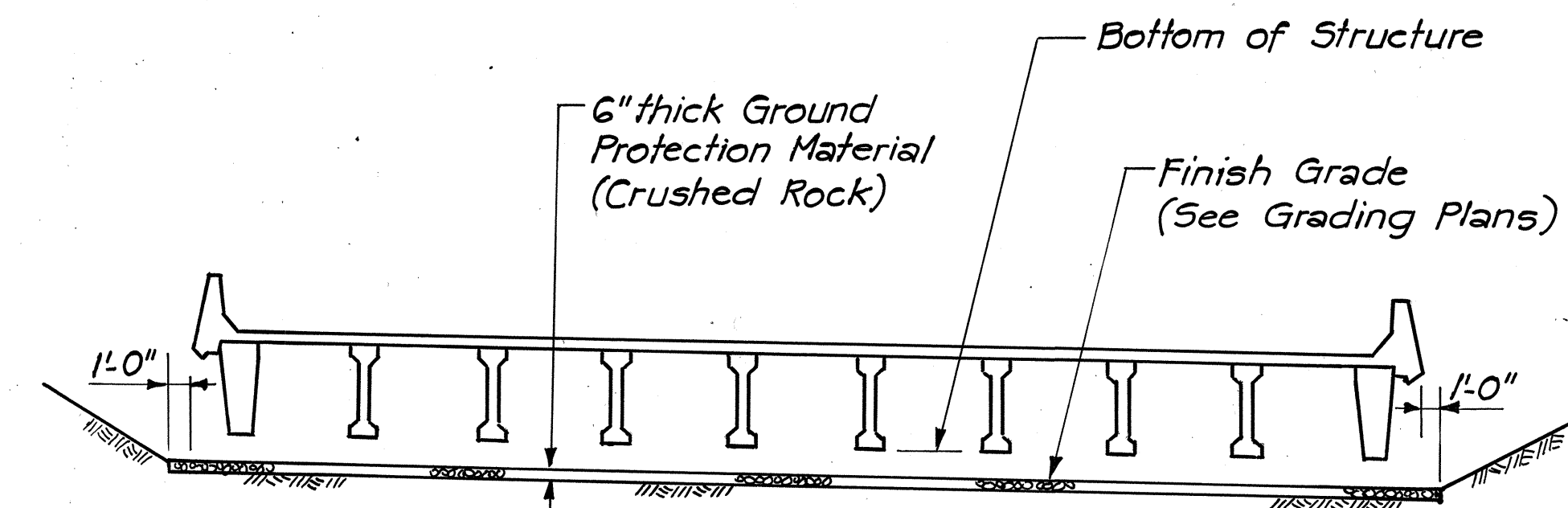
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-(86):17	1981	32	207

NOTES FOR GRADING

1. All grading work shall be done in accordance with Chapter 23, Grading, Soil Erosion & Sediment Control, of the Revised Ordinances of Honolulu, 1978, as amended (Ordinance No. 81-13).
2. All graded areas shall have "Temporary Ground Cover."
3. The Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways & other areas. The costs incurred for any necessary remedial action by the Chief Engineer (C&C, Dept. of Public Works) shall be payable by the Contractor.
4. The Contractor, at his own expense, shall keep the project area & surrounding area free from dust nuisance. The work shall be in conformance with the air pollution control standards & regulations of the State Department of Health.
5. The underground pipes, cables or ductlines known to exist by the Engineer from his search of records are indicated on the plans. The Contractor shall verify the location & depth of the facilities & exercise proper care in excavating in the area. Wherever connections of new utilities to existing utilities are shown on the plans, the Contractor shall expose the existing lines at the proposed connections to verify their locations & depths prior to excavation for the new lines.
6. All slopes & exposed areas shall be sodded or planted immediately after the grading work has been completed.
7. Fills on slopes steeper than 5:1 shall be keyed.
8. The City shall be informed of the location of the borrow/disposal site for the project when the application for a grading permit is made.
9. No grading work shall be done on Saturdays, Sundays & holidays at any time without prior notice to the Chief Engineer. (C&C, Dept. of Public Works).
10. The limits of the graded area shall be flagged before the commencement of the grading work.
11. All grading operations shall be performed in conformance with the applicable provisions of the Water Pollution Control & Water Quality Standards contained in the Public Health Regulations, State Department of Health, on Water Pollution Control & Water Quality Standards.
12. Temporary Erosion Control Procedures shall be submitted for approval prior to application for a grading permit.
13. Excavated material on site which will be exposed for more than 7 days shall be covered with plastic sheets within 2 days of placement or as directed by the Engineer.
14. "Filter Berms" shall be installed along the edges of open channels & ditches in order to filter sediment from runoff, before waters enter the channels.
15. "Filter Inlets" shall be installed in swales near catch basins in order to filter sediment from runoff, before waters enter closed drainage system.
16. The borrow/disposal site must fulfill the requirements of the grading ordinance.

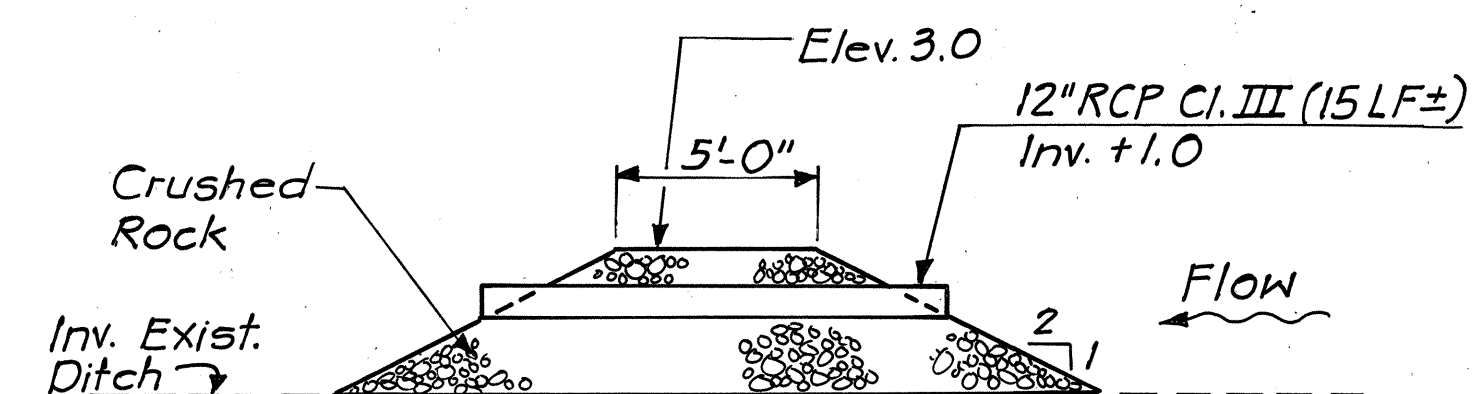


TEMPORARY EROSION CONTROL DETAILS
N.T.S.

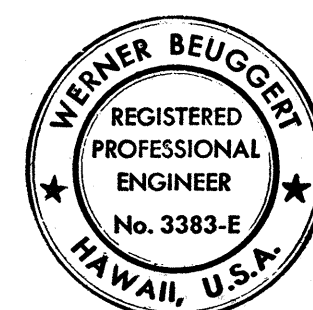


NOTE
Ground Protection Material shall be placed under Structures as shown on Grading Plan, sheet No. D-1

EROSION CONTROL UNDER STRUCTURES
N.T.S.



SEDIMENT BASIN
N.T.S.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EROSION CONTROL NOTES & DETAILS

INTERSTATE ROUTE H-1
PROJECT NO. I-H1-1 (86):17

SCALE: NONE DATE: 6/15/81
SHEET No. EC-1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	